

ii) The transmission facilities of the Host Transmission Owner involved in the change*

The existing 138kV transmission line from North Mineola to Canton Tap. The site is located 1500 feet West of the 138 kV structures 125 and 126.

iii) Voltage of the facilities involved* 138kV Transmission – 12.47kV Distribution

iv) Desired meter location* N/A

v) Expected impact on other delivery points, if any*

(1) Load transfer from another delivery point and, if so, estimated amount* Grand Saline Substation, 10MW

(2) Anticipated modifications to other delivery points due to this change, if any*
None

vi) Facilities of others that may be involved* None

2) Facilities to be constructed

a) Facilities to be constructed or provided by the Host Transmission Owner Line Tap

b) Facilities to be constructed or provided by the Transmission Customer

Construct a Greenfield Substation with two 138/13.09 kV, 15/20/25 MVA non-LTC transformers. Install two sets of three (3) 7.62 kV, 883/1240kVA station voltage regulators, two 145kV circuit switchers, and five (5) 15kV feeder breakers. Station will be in/out construction on the high side with 2-3000 amp switches and a 3000amp tie. Station will be loop fed.

3) Technical Aspects of a new delivery point

a) Location

i) Located near structure number 138 kV structures 125 and 126

ii) 911 address N/A

iii) State, County and ¼ of ¼ Section number Van Zandt County, Texas

iv) GPS Coordinates approximately LAT=32.6549 LONG=-95.7043

b) Technical aspects

i) Anticipated service voltage 12.47 kV

ii) Number of wires (3 or 4 wire connection) 4 wire

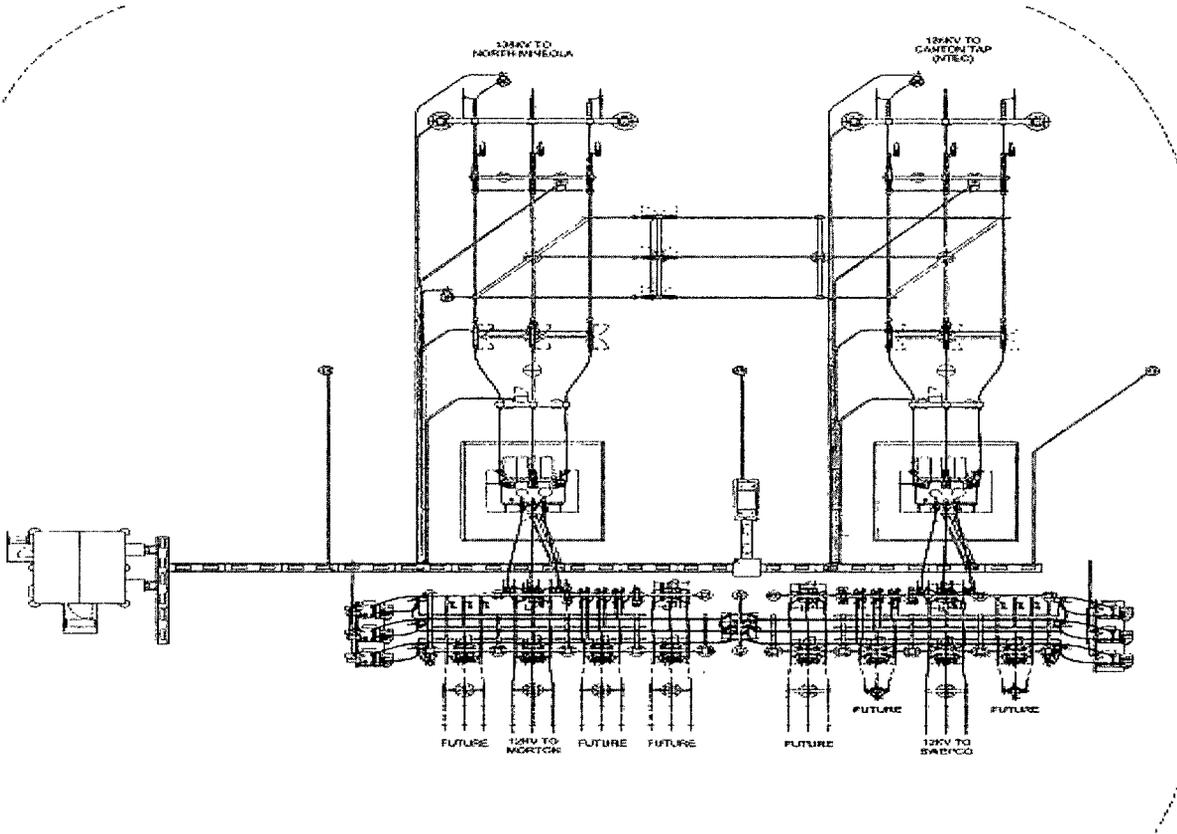
- iii) Service voltage
 - iv) Meter
 - (1) Type
 - (2) Voltage
 - (3) Supplied by
 - (4) Owned by
 - (5) PTs and CTs required
 - (6) Communications configuration
 - v) Anticipated starting load
 - vi) Transformer size and voltages
 - vii) Transmission line conductor size and impedance rating
 - viii) Type and location of protective devices
- 4) Other pertinent information

Attachments:

- 1) Ten year load forecast for the delivery point being added or modified and any associated changes in the load forecast for other delivery points.

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Morton Station (MW)	10.00	10.80	10.90	11.00	11.10	11.20	11.30	11.40	11.50	11.60

2) One-line diagram showing existing and proposed facilities pertaining to the request.



Requestor Contact:

Name: Ernest Collins

Title: Distribution Planner

Mailing Address: PO Box 21106 Shreveport, La 71156

Email Address: etcollins@aep.com

Voice Phone No.: 318-673-3433

By: Ernest Collins

(Representative of Transmission Customer)

Title: Distribution Planner

Date: 2/27/2017

Morton Substation

f. For any facilities that transform voltage between transmission and distribution voltages, which were not endorsed by SPP, provide the following:

1. The relevant portions of system planning studies that support the need for the project.

This project was developed and executed because of the expectation of exceeding the rating on the transformers at Grand Saline Substation. The existing transformers were projected to be loaded to 105% of capacity by the time this new station was in service. When the load on a substation element is projected to exceed its normal calculated capability, a project should be planned such that it will relieve loading or increase capacity at the substation prior to the projected overload. Projects need to be submitted for prioritization and budgeting early enough to allow design and construction to be completed by the needed service date.

2. The load growth rate in the area planned to be served by the project during each of the five calendar years immediately before the project was energized.

The annual load growth rate in the area planned to be served by the project was 0.3 megawatts before the project was energized.

3. The load growth rate in the area served by the project during each calendar year starting with the year that the project was initially energized.

The annual load growth rate in the area since the project was energized has been 0.3 megawatts.

4. Peak load projected to be served by the project as forecasted by the applicant and consistent with the planning study for the project provided in Schedule V1-M-1.

The peak load projected to be served by the project as forecasted was 10 megawatts.

5. Peak load served by the project during each year since the project was initially energized.

The peak load served by the project during each year since the project was energized has been 8.5 megawatts.

g. For any facilities that transforms voltage between transmission and distribution voltages, which were not endorsed by SPP please state if the service area is dually certificated with another utility, and explain how you determined which portion of expected load growth that you will serve as opposed to your sister utility?

This service area is dually certificated with another utility. Wood County Electric Co-Op services parts of the Grand Saline area. Any future load that develops within the city of Grand Saline, TX, SWEPCO will be responsible for serving as opposed to the other utility company.



DGP Load Forecast

Report Rundate: Nov 5, 2020 10:00 PM

Forecast Year: 2013-2014
Data Both

Forecast Season: Summer
Forecast Load >= All

Source Voltage (kv): low value >=, high value <=
Nominal Voltage (kv): low value >=, high value <=
Limit Cap (in MVA): low value >=, high value <=

Limit Factor: All
Station: All

Operating Unit: AEP-Southwestern Electric Power				Operating Company: Southwestern Electric Power							State: Louisiana			District: Shreveport			Area: Vivian, LA			Planner: All		Comments	
Name	Source Voltage (kv)	Nominal Voltage (kv)	Max Name Plate	Limit Cap (MVA)	Limit Factor	Power Factor (%)	Unbal Factor (%)	2013	Forecast Adj. (MVA)	AGR (MVA)	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Comments	
LIEBERMAN (#22) 1NX	69.00	12.47	7.00	7.35	Winding	0.00	0.00	4.34	0.00	0.00	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.44		
LIEBERMAN (#22) 2SX	69.00	12.47	7.00	7.35	Winding	0.00	0.00	4.34	0.00	0.00	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.44	
OIL CITY (#838) 1X	69.00	12.47	7.00	6.25	Bus Reg	99.99	12.12	4.92	0.00	0.00	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	
12070 (#12070)		12.47		6.25	Other	99.99	12.12	4.92	0.00	0.00	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	
RODESSA (#826) 1X	69.00	12.47	6.25	6.56	Winding	97.49	4.54	6.76	0.00	0.00	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	
2700 (#2700)		12.47		10.71	OH Exit	97.49	4.54	6.76	0.00	0.00	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	
SUPERIOR (#807) 1EX 2WX	69.00	12.47	20.88	15.00	Winding	90.05	10.16	5.97	0.00	0.00	5.97	5.97	5.97	5.97	5.97	5.97	5.97	5.97	5.97	5.97	5.97	5.97	
3730 (#3730)		12.47		6.37	OH Exit	70.04	2.63	1.53	0.00	0.00	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	
3750 (#3750)		12.47		12.42	OH Exit	86.58	5.05	4.58	0.00	0.00	4.58	4.58	4.58	4.58	4.58	4.58	4.58	4.58	4.58	4.58	4.58	4.58	
SUPERIOR (#807) 1EX	69.00	12.47	9.38	7.50	Other	0.00	0.00	2.98	0.00	0.00	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	
SUPERIOR (#807) 2WX	69.00	12.47	11.50	12.08	Winding	0.00	0.00	2.98	0.00	0.00	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	
VIVIAN (#794) 1WX 2EX	69.00	12.47	18.75	19.69	Winding	-99.91	1.26	12.93	0.00	0.00	12.93	13.43	13.43	13.43	13.43	13.43	13.43	13.43	13.43	13.43	13.43	13.43	
8980 (#8980)		12.47		12.42	OH Exit	99.29	7.64	5.78	0.00	0.00	5.78	6.28	6.28	6.28	6.28	6.28	6.28	6.28	6.28	6.28	6.28	6.28	
8990 (#8990)		12.47		12.42	OH Exit	-99.12	10.57	7.18	0.00	0.00	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	
VIVIAN (#794) 1WX	69.00	12.47	9.38	9.84	Winding	0.00	0.00	6.47	0.00	0.00	6.47	6.72	6.72	6.72	6.72	6.72	6.72	6.72	6.72	6.72	6.72	6.72	
VIVIAN (#794) 2EX	69.00	12.47	9.38	9.84	Winding	0.00	0.00	6.47	0.00	0.00	6.47	6.72	6.72	6.72	6.72	6.72	6.72	6.72	6.72	6.72	6.72	6.72	
Vivian, LA - Area Total			141.12	257.39				136.38	0.00	0.00	141.38	142.88	142.88	142.88	142.88	142.88	142.88	142.88	142.88	142.88	142.88		
Shreveport - District Total			141.12	257.39				136.38	0.00	0.00	141.38	142.88	142.88	142.88	142.88	142.88	142.88	142.88	142.88	142.88	142.88		
AEP-Southwestern Electric Power - Operating Unit Total			141.12	257.39				136.38	0.00	0.00	141.38	142.88	142.88	142.88	142.88	142.88	142.88	142.88	142.88	142.88	142.88		
Overall - Report Total			141.12	257.39				136.38	0.00	0.00	141.38	142.88	142.88	142.88	142.88	142.88	142.88	142.88	142.88	142.88	142.88		

SOAH Docket No. 473-21-0538
PUC Docket No. 51415
Staff's 2nd Q # Staff 2-6
Attachment 4
Page 15 of 21

Addendum 1 to Attachment AQ

Request for Change in Local Delivery Facilities

Pursuant to the Delivery Point Addition Process in Attachment AQ of the Tariff notice is hereby provided on 3/12/2013 to AEP (the Host Transmission Owner) and Transmission Provider that Transmission Customer requests certain changes in delivery point(s) under the agreement.

Responses marked with an asterisk (*) are required. Supply all details that are known or projected.

Requested Modification

- 1) Description of delivery point modification*
 - a) Type of change requested (new delivery point, upgrade of an existing delivery point, retirement or abandonment of an existing delivery point, etc.) * Upgrade of existing substation (Rodessa Substation – Caddo Parish, La)
 - b) Proposed in service date of the modification* 6/1/2015
 - c) Reason for the requested change (i.e. normal or unexpected load growth or load reduction, reliability needs or other reason) * Load Growth
 - d) Related transmission service agreement* Served from AEP Transmission System
 - e) Location of the delivery point change and identification of the facilities involved*
 - i) Geographic location of the new delivery point or the delivery point to be modified*
Rodessa substation, located LA 168, approx 2 Mi East of LA Hwy 1, Caddo Parish La.
LAT=32.985934 LONG=-93.969779

- ii) The transmission facilities of the Host Transmission Owner involved in the change*
69kV transmission Line, between Hosston and Bloomburg subs, at structures 90 and
1.
 - iii) Voltage of the facilities involved* 69kV Transmission – 12.47kV Distribution
 - iv) Desired meter location* N/A
 - v) Expected impact on other delivery points, if any*
 - (1) Load transfer from another delivery point and, if so, estimated amount* None
 - (2) Anticipated modifications to other delivery points due to this change, if any*
None
 - vi) Facilities of others that may be involved* None
- 2) Facilities to be constructed
- a) Facilities to be constructed or provided by the Host Transmission Owner None
 - b) Facilities to be constructed or provided by the Transmission Customer
- Upgrade the station transformer from a 6.25mVA to a 10/12 5mVA unit. Install 1 new 1200Amp feeder breaker
Install MOABS on the high side bus. Install SCADA telemetry and control on the trfs, breakers and bus ties
Install KV2 metering on the new feeder breaker.
- 3) Technical Aspects of a new delivery point N/A
- a) Location
 - i) Located near structure number
 - ii) 911 address
 - iii) State, County and ¼ of ¼ Section number
 - iv) GPS Coordinates
 - b) Technical aspects
 - i) Anticipated service voltage
 - ii) Number of wires (3 or 4 wire connection)
 - iii) Service voltage

iv) Meter

- (1) Type
- (2) Voltage
- (3) Supplied by
- (4) Owned by
- (5) PTs and CTs required
- (6) Communications configuration

v) Anticipated starting load

vi) Transformer size and voltages

vii) Transmission line conductor size and impedance rating

viii) Type and location of protective devices

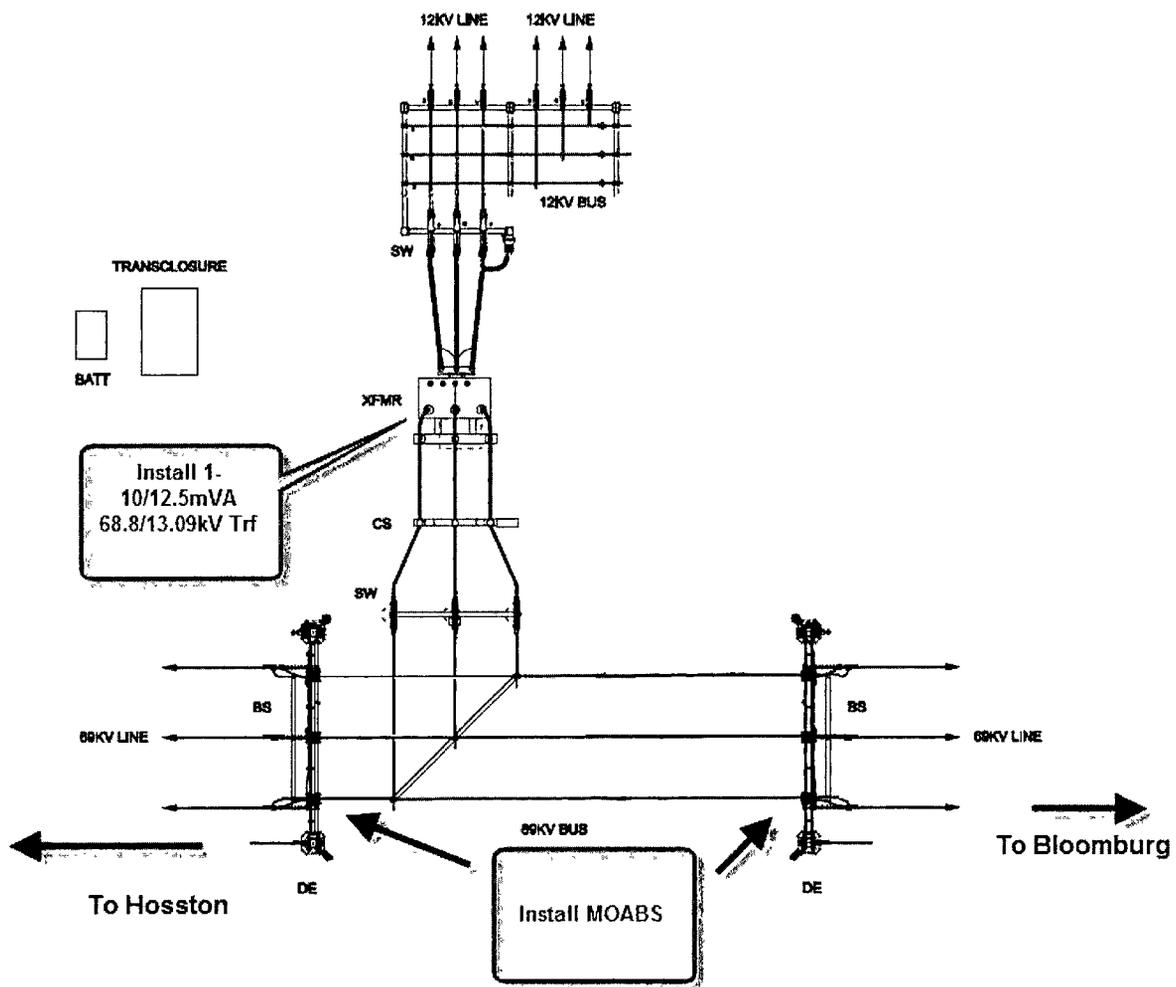
4) Other pertinent information

Attachments:

- 1) Ten year load forecast for the delivery point being added or modified and any associated changes in the load forecast for other delivery points.

Name	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
	(MVA)										
*RODESSA (#826) 1X	7.20	7.29	7.39	7.48	7.58	7.67	7.77	7.86	7.96	8.05	8.15
*2700 (#2700)	7.20	7.29	7.39	7.48	7.58	7.67	7.77	7.86	7.96	8.05	8.15

2) One-line diagram showing existing and proposed facilities pertaining to the request.



Requestor Contact:

Name: _____ Ronald L Cosby _____

Title: _____ Distribution Planner _____

Mailing Address: ___ PO Box _21106 Shreveport, La 71156__

Email Address: __rlcosby@aep.com_____

Voice Phone No.: __318-673-3417_____

By: __ Ronald Cosby _____

(Representative of Transmission Customer)

Title: Distribution Planner _____

Date: __03/12/2013_____

RODESSA SUBSTATION

f. For any facilities that transform voltage between transmission and distribution voltages, which were not endorsed by SPP, provide the following:

1. The relevant portions of system planning studies that support the need for the project.

The Rodessa Substation project was created and successfully executed as a response to the projection of the transformer summer peak loading to start exceeding its capacity rating. The existing transformer was projected to be loaded to 106% of its 6.56MVA capacity. A project should be planned such that it will relieve loading or increase capacity at the substation in advance to the projected overload when the load on a substation element is projected to exceed its normal calculated capability.

2. The load growth rate in the area planned to be served by the project during each of the five calendar years immediately before the project was energized.

The annual load growth rate in the area planned to be served by the project was 0.1 megawatts before the project was energized.

3. The load growth rate in the area served by the project during each calendar year starting with the year that the project was initially energized.

There has been no load growth in the area since the project was energized.

4. Peak load projected to be served by the project as forecasted by the applicant and consistent with the planning study for the project provided in Schedule V1-M-1.

The peak load projected to be served by the project as forecasted was 7 megawatts.

5. Peak load served by the project during each year since the project was initially energized.

The peak load served by the project during each year since the project was energized has been 6.67 megawatts.

g. For any facilities that transforms voltage between transmission and distribution voltages, which were not endorsed by SPP please state if the service area is dually certificated with another utility, and explain how you determined which portion of expected load growth that you will serve as opposed to your sister utility?

The area is not dually certified.

**SOAH DOCKET NO. 473-21-0538
PUC DOCKET NO. 51415**

**SOUTHWESTERN ELECTRIC POWER COMPANY'S RESPONSE TO
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION**

Question No. Staff 2-7:

Witness Daniel R. Boezio in his testimony has laid out SWEPCO's O&M programs into two major categories – Transmission Asset Management and Transmission Vegetation Management. He has further subdivided Transmission Asset Management into three further categories.

- a. Please provide SWEPCO's O&M expenses subdivided by the two above mentioned categories for the Test Year by FERC accounts.
- b. Please provide detailed accounts per FERC account for each category for Transmission Asset Management sub-categories, including service dates and need.

Response No. Staff 2-7:

See Staff 2-7 Attachment 1.

Prepared By: William M. Romine
Sponsored By: Daniel R. Boezio

Title: Regulatory Consultant Staff
Title: VP Trans Field Services

**SWEPCO Transmission Programs
Direct View by Department**

FERC Accounts	Line Programs	P&C Programs	Station Programs	Other Tech Programs	Trans Asset Mngt Programs Total	Vegetation Management Total
5600	246,695	460,634	415,136	76,558	1,199,023	5,361
5613			6,549		6,549	
5620	19,930	65,323	723,675	1,240	810,168	
5630	325,973		9,628		335,600	
5660	98,897	263,208	557,406	50,150	969,662	
5680		2,029	2,848	299	5,176	
5690			34,053		34,053	
5700	17,949	755,246	1,137,169	81,142	1,991,505	
5710	2,786,583	(221)	613	9,014	2,795,990	10,916,141
5730	1,482	33,525	37,200	1,484	73,690	
Grand Total	3,497,508	1,579,744	2,924,276	219,887	8,221,415	10,921,503

**SOAH DOCKET NO. 473-21-0538
PUC DOCKET NO. 51415**

**SOUTHWESTERN ELECTRIC POWER COMPANY'S RESPONSE TO
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION**

Question No. Staff 2-8:

Please identify and provide a detailed description of all distribution capital additions to plant that SWEPCO has included in rates with a cost exceeding \$250,000.

Response No. Staff 2-8:

Please see Staff 2-8 Attachment 1 for detailed description of all distribution capital additions to plant that SWEPCO has included in rates with a cost exceeding \$250,000.

Prepared By: Paul D. Flory
Sponsored By: Drew W. Seidel

Title: Regulatory Consultant Sr
Title: VP Dist Region Opers

PROJ_CAT	PROJ_DESC	Long Description	2016	2017	2018	2019	2020	Grand Total
Asset Improvement	000007589 SEPTX-UG Cable Repl Failure	Program to replace underground primary and secondary cable sections that have failed. Scope limited to cable that has either reached end of life or has failed on multiple occasions. Scope does not include overload conditions or other conditions addressed by Distribution Planning criteria	266,427	659,244	607,239	758,380	187,611	2,478,901
Asset Improvement	000007606 SEPTX-Failed Equip No Outage	Program to replace localized failed equipment on the distribution system	843,122	1,279,990	1,430,949	2,092,177	541,487	6,187,725
Asset Improvement	000024602 SWEPCo GOABS Project Texas	Project to replace pipe-handle-operated gang operated air break switches (GOABS) due to safety and operability concerns	2,205,773	297,956	0			2,503,729
Asset Improvement	A12102024 D/SW/LongviewOpsReserve-Purcha	Restock reserve transformers due to failed transformer in service	324,807					324,807
Asset Improvement	A12102035 D/SW/LonviewOpsRsrv-PurchTrf	Restock reserve/spare substation transformer due to unit being used to replace a failed unit		353,145				353,145
Asset Improvement	A12102051 D/SW/LongviewOPSResrv-PurchTrf	Restock reserve/spare substation transformer due to unit being used to replace a failed unit	294,423	8				294,431
Asset Improvement	A12102550 D/SW/LongviewOpsReserve-Purcha	Restock reserve/spare substation transformer due to unit being used to replace a failed unit.	297,509					297,509
Asset Improvement	A12102551 D/SW/LongviewOpsReserve-Purch	Restock reserve/spare substation transformer due to unit being used to replace a failed unit	593,254					593,254
Asset Improvement	A12102588 D/SW/LongviewOpsRsrv-PurchTrf	Restock reserve/spare substation transformer due to unit being used to replace a failed unit.	446,818					446,818
Asset Improvement	A12102601 D/SW/PurchNewMobile SW-15-TEX	Restock reserve/spare substation transformer due to unit being used to replace a failed unit.				2,711,479		2,711,479
Asset Improvement	A12102635 Longview - Spare 25MVA 69/13.0	Restock reserve/spare 25MVA substation transformer due to unit being used to replace a failed unit			432,252			432,252
Asset Improvement	A12102636 Longview - Spare 10/12.5/14MVA	Restock reserve/spare substation transformer due to unit being used to replace a failed unit		328,956				328,956
Asset Improvement	A12102641 Spare 6.25MVA 69/13.09X4.36kV	Restock reserve/spare 6.25MVA substation transformer due to unit being used to replace a failed unit.			364,764	68,984		433,748
Asset Improvement	A13006081 D/SEP/KnoxLee-RepFailedEquip	Replace failed 69/12 transformer P6807, failed 12kV circuit breaker, and 12kV regulator at Knox Lee substation					251,881	251,881
Asset Improvement	A13216037 Clarendon - Telecom Legacy Cir	Upgraded communication to Remote Terminal Unit (RTU) consisting transport router, station router and fiber installations		532,052	3,267			535,319
Asset Improvement	A13216A12 MEMPHIS - Telecom Legacy Circu	Upgraded analog circuit, Multi-protocol label switching circuit with high voltage isolation and station router installed		691,658	44,048			735,706
Asset Improvement	A13216A37 Southeast Longview Telecom Leg	Upgraded communication by installing transport router, station router and fiber to connect multiple stations in Logview area			713,676			713,676
Asset Improvement	A13216A43 Jefferson IPC Telecom Legacy C	Upgraded communication by adding service aggregate router and splicing backbone fiber to route to controls		503,126	4,460	0		507,586
Asset Improvement	A15706529 New Boston - Rpl 12kV CBs 1620	Replace overduty 12 KV Circuit Breakers 1620, 5140, 9610, 9620 at New Boston Substation			305,809			305,809
Asset Improvement	A15706621 IPC Jefferson DLP failure	Replace the digital line protection (DLP) at IPC Jefferson		423,236	55,696			478,932
Asset Improvement	A17031004 Longview Spre Purchase MVA	Restock reserve/spare substation transformer due to unit being used to replace a failed unit				431,970		431,970

PROJ_CAT	PROJ_DESC	Long Description	2016	2017	2018	2019	2020	Grand Total
Asset Improvement	A17031007 Longview Spare Purch: 69X34.5k	Restock reserve/spare substation transformer due to unit being used to replace a failed unit				480,766		480,766
Asset Improvement	B161TXSRE D/SW/Non-Specific Work Station	Non-specific work used to ensure the reliability of the system and often involves replacements of assets/components, such as bushings, LTC's, animal fences, switches, arresters, battery replacement, HVAC replacements, LTC replacements, motor operators for switches, switch replacement regulators, ect	21,992	1,727,188	1,638,677	1,554,227	694,880	5,636,964
Asset Improvement	EDN102208 Ds-Septx-Ai Pole Reinforcement	Annual program following up from pole inspection program Mechanical reinforcement of wood poles that have failed below-grade inspection to extend the useful life of the structure	585	7,318	404,647	-3,495		409,054
Asset Improvement	EDN102209 Ds-Septx-Ai Pole Replacement	Annual program to replace wooden poles on the distribution system that have failed either above-grade or below-grade inspection.	694,623	4,159,563	5,179,454	4,799,803	2,370,579	17,204,022
Asset Improvement	EDN102210 Ds-Septx-Ai Small Wire Repl Oh	Program to replace deteriorated sections of overhead primary conductor based on age, condition, and reliability history	182,872	137,801	106,364	123,332	73,976	624,345
Asset Improvement	EDN102215 Ds-Septx-Ai Ckt Inspections	Asset preventive maintenance program Capital repairs resulting from cyclical inspection of the overhead distribution system	918	65,235	646,315	691,100	277,058	1,680,626
Asset Improvement	P13167012 Hallsvie-Marshl Distr Underbld	Project to rebuild or transfer the distribution underbuild driven by Transmission rehab project on Hallsville-Marshall transmission line		1,635,293	-8,626			1,626,667
Asset Improvement	P13167013 LongVH-Hallsvie distr underbld	Installation of Distribution System to Transmission System			1,301,708			1,301,708
Asset Improvement	SI161TXRE DB/SI/SEP-Tx TEXAS SYS REHAB	Non-specific work used to ensure the reliability of the system and often involves replacements of assets/components, such as bushings, LTC's, animal fences, switches, arresters, battery replacement, HVAC replacements, LTC replacements, motor operators for switches, switch replacement regulators, etc	1,335,208	524,645	37,826			1,897,680
Customer Service	000001566 SepTx-Damage Claims-Reimburse	Blanket project to fund distribution system damaged by public	113,090	229,790	276,910	302,819	103,631	1,026,239
Customer Service	000007565 SEPTX-PQ-QOS Mitigation	Blanket project for performing distribution line work driven by localized power quality and quality of service issues	106,398	129,601	46,329	66,940	3,453	352,721
Customer Service	000007622 SEPTXCust Req Relocate	Blanket project for performing distribution line work driven by customer-requested facility relocations	35,935	50,199	114,665	59,046	20,002	279,846
Customer Service	DP14S03B0 SEP/TX/Morton Saline Sub D-Sta	Installation of new substation to serve industrial customer			5,870,734	28,115	27	5,898,876
Customer Service	EDN102197 Ds/Septx/Residential New	Blanket project to fund extensions and upgrades of the distribution system necessary for new residential services being added to the system	2,028,131	2,778,183	2,561,311	3,031,624	705,828	11,105,078
Customer Service	EDN102198 Ds/Septx/Residential Upgrade	Blanket project to fund localized upgrades of the distribution system necessary to serve existing residential service upgrades.	145,941	176,282	188,557	298,260	70,636	879,676
Customer Service	EDN102199 Ds/Septx/C&I New	Blanket project to fund extensions and upgrades of the distribution system necessary for new commercial and industrial services being added to the system	1,486,517	2,538,418	2,255,570	2,245,029	943,651	9,469,185
Customer Service	EDN102200 Ds/Septx/C&I Upgrade	Blanket project to fund localized upgrades of the distribution system necessary to serve existing commercial and industrial service upgrades	177,641	316,609	305,309	334,990	65,342	1,199,891
Customer Service	EDN102206 Ds-Septx-Ai Support Cs-Res	Blanket project to support necessary distribution asset upgrades or reconfigurations driven by residential service		23,568	26,390	192,106	78,734	320,798
Customer Service	EDN102207 Ds-Septx-Ai-Support Cs-C-I	Blanket project to support necessary distribution asset upgrades or reconfigurations driven by commercial or industrial service	35,907	12,082	22,931	320,614	75,370	466,903

PROJ_CAT	PROJ_DESC	Long Description	2016	2017	2018	2019	2020	Grand Total
Customer Service	EDN102219 Ds/Septx/Public Relocation	Blanket project to fund facility relocations requested or prompted by local or state governments having jurisdiction over rights of way	658,125	660,569	319,860	660,104	442,553	2,741,211
Customer Service	EDN102625 Ds/Septx/Meter Blanket	Blanket project for the capital purchase of pre-capitalized meters	104,102	27,131	227,443	248,992	64,302	671,970
Customer Service	EON102626 Ds/Septx/Line Transformer	Blanket project for the capital purchase of pre-capitalized distribution line transformers	2,347,622	5,057,243	5,928,970	6,171,695	1,410,815	20,916,345
Reliability	000004743 SWEP-TSectionalizing Program	Blanket project covering distribution sectionalizing work Scope includes installation of new reclosers, switches, and fused cutouts.	107,058	464,177	495,498	642,385	74,101	1,783,219
Reliability	000007825 SEP-Small Local Asset Imp-TX	Planned and unplanned additions/improvements to the distribution system related to load growth	849,169	1,810,068	1,087,641	1,663,203	371,658	5,781,739
Reliability	DR17502A0 Texarkana DA - DLine Component	Install Distribution Automation equipment along the distribution system in the Texarkana District		1,943,901	127,217	630,803		2,701,921
Reliability	DR18L0943 Center Station	Distribution feeder breaker replacement Breakers 8140, 9520 and 2190, and 2180 Breaker Replacement Project based on customer interruptions and asset health score			493,118	12,307		505,425
Reliability	DR18L0950 Lake Lamond Station	Distribution feeder breaker replacement Breakers 1380, 4070, 9430, 9440, 8570, 4400, 6860, and 6850 Breaker Replacement Project based on customer interruptions and asset health score			821,283	92,285		913,568
Reliability	DR18501A2 Fault Sensors - Texas	Intallation of communicating overhead fault sensors to locate faults on distribution system to reduce Customer Minutes of Interruption (CMI)				245,778	452,777	698,555
Reliability	DR18501A5 Overhead Renewal Project - TX	Project to upgrade breaker zones of aging overhead circuits to improve Customer Minutes of Interruption (CMI) Primary scope includes application of new design standards to increase storm hardening, reliency, and BIL				1,371,457	309,806	1,681,262
Reliability	DR18501A8 DA Distribution Line - Texas	Project to install DACR (Distribution automated circuit reconfiguration) systems on the overhead distribution system			980,018	2,941,312	884,717	4,806,047
Reliability	DR19CABTX REPLACE CABLE TX	Blanket project to fund the upgraded of aging underground circuits to improve Customer Minutes of Interruption (CMI)				1,414,331	686,104	2,100,434
Reliability	DR19D0959 AIRLINE STATION	Installation of Distribution Automation assets inside station as part of SWEPCO's implementation of Smart Grid technology				1,170,161	132,242	1,302,403
Reliability	DR19D0976 TENAHA STATION	Installation of Distribution Automation assets inside station as part of SWEPCO's implementation of Smart Grid technology				628,935	42,170	671,105
Reliability	DR19T0850 COOKVILLE STATION	Distribution Feeder breakers, 1E60 and 1E70, replaced under Breaker Replacement Project based on customer interruptions and asset health score				349,521		349,521
System Restoration	000004468 SEPTX/Offsystem Storm Assist	#N/A			12,476			12,476
System Restoration	DMS16TX11 SW-TXLDLW 42916	Storm restoration project as a result of storm on April 29, 2016	285,438					285,438
System Restoration	DMS17TX15 SWTXLGTornado 4-29-17	Storm restoration project as a result of storm on April 29, 2017		344,886				344,886
System Restoration	DMS17TX18 SWTXSLW 52817	Storm restoration project as a result of storm on May 28, 2017		1,173,414	-410			1,173,004
System Restoration	DMS19TX15 SW-TX/LGV/Thunderstorm 5-8-19	Storm restoration project as a result of storm on May 8, 2019				1,570,058	-3,372	1,566,685
System Restoration	EDN103232 SEPTX Svc Restoration NonMjr	Trouble call capitalized repairs to the overhead and underground distribution system requiring facility replacement, includes poles and other retirement units and their related components Both weather and non-weather related outage response is included.	338,240	816,842	861,049	868,722	232,737	3,117,590

**SOAH DOCKET NO. 473-21-0538
PUC DOCKET NO. 51415**

**SOUTHWESTERN ELECTRIC POWER COMPANY'S RESPONSE TO
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION**

Question No. Staff 2-9:

For each distribution addition responsive to question 2-8 please provide:

- a. The date the facility was energized.
- b. Whether or not the facility is currently providing service.
- c. Explain the need for the facility in detail, including whether the project met a need identified in the utility's system planning studies.
- d. Include the major capital project type category as defined by Witness Drew W. Seidel.

Response No. Staff 2-9:

- a. Please see Staff 2-9 Attachment 1.
- b. All distribution additions responsive to STAFF 2-8.
- c. Please see the Company's response to subpart a.
- d. Please see the Company's response to subpart a.

Prepared By: Paul D. Flory
Sponsored By: Drew W. Seidel

Title: Regulatory Consultant Sr
Title: VP Dist Region Opers

1

PROJ_CAT	PROJ_DESC	LONG_DESCRIPTION	ACT_WORK_ORDER_NUMB ER	IN_SERVICE_DATE	2016	2017	2018	2019	2020	Grand Total
Asset Improvement	000007589 SEPTX-UG Cable Repl Failure	Program to replace underground primary and secondary cable sections that have failed Scope limited to cable that has either reached end of life or has failed on multiple occasions Scope does not include overload conditions or other conditions addressed by Distribution Planning criteria	Multiple work orders	Multiple in- service dates	266,427	659,244	607,239	758,380	187,611	2,478,901
Asset Improvement	000007606 SEPTX-Failed Equip No Outage	Reactive replacement of failed overhead or underground equipment in situations where the failure of the unit does not result in an outage	Multiple work orders	Multiple in- service dates	843,122	1,279,990	1,430,949	2,092,177	541,487	6,187,725
Asset Improvement	000024602 SWEPCo GOABS Project Texas	Project to replace pipe-handle-operated gang operated air break switches (GOABS) due to safety and operability concerns	Multiple work orders	Multiple in- service dates	2,205,773	297,956	0			2,503,729
Asset Improvement	A12102024 D/SW/LongviewOpsReserve-Purcha	Restock reserve transformers due to failed transformer in service	T0154274	03/30/2016	324,807					324,807
Asset Improvement	A12102035 D/SW/LonviewOpsRsrv-PurchTrf	Restock reserve/spare substation transformer due to unit being used to replace a failed unit	42478781	11/30/2016		353,145				353,145
Asset Improvement	A12102051 D/SW/LongviewOPSResrv-PurchTrf	Restock reserve/spare substation transformer due to unit being used to replace a failed unit	42507043	12/08/2016	294,423	8				294,431
Asset Improvement	A12102550 D/SW/LongviewOpsReserve-Purcha	Restock reserve/spare substation transformer due to unit being used to replace a failed unit	T0153696	03/30/2016	297,509					297,509
Asset Improvement	A12102551 D/SW/LongviewOpsReserve-Purch	Restock reserve/spare substation transformer due to unit being used to replace a failed unit	42353660	03/30/2016	593,254					593,254
Asset Improvement	A12102588 D/SW/LongviewOpsRsrv-PurchTrf	Restock reserve/spare substation transformer due to unit being used to replace a failed unit	42474987	12/21/2016	446,818					446,818
Asset Improvement	A12102601 D/SW/PurchNewMobile SW-15-TEX	Restock reserve/spare substation transformer due to unit being used to replace a failed unit	42506885	12/21/2018				2,711,479		2,711,479
Asset Improvement	A12102635 Longview - Spare 25MVA 69/13 0	Restock reserve/spare 25MVA substation transformer due to unit being used to replace a failed unit	42573837	06/27/2017			432,252			432,252
Asset Improvement	A12102636 Longview - Spare 10/12 5/14MVA	Restock reserve/spare substation transformer due to unit being used to replace a failed unit	42573850	06/16/2017		328,956				328,956
Asset Improvement	A12102641 Spare 6 25MVA 69/13 09X4 36KV	Restock reserve/spare 6 25MVA substation transformer due to unit being used to replace a failed unit	42605008 42950636	10/30/2017 02/28/2019			364,764	-398,763		-33,999
Asset Improvement	A13006081 D/SEP/KnoxLee-ReplFailedEquip	Replace failed 69/12 transformer P6807, failed 12kV circuit breaker, and 12kV regulator at Knox Lee substation	42407766	09/30/2015					251,881	251,881
Asset Improvement	A13216037 Clarendon - Telecom Legacy Cir	Upgraded communication to Remote Terminal Unit (RTU) consisting transport router, station router and fiber installations	42545699	08/10/2017		532,052	3,267			535,319
Asset Improvement	A13216A12 MEMPHIS - Telecom Legacy Circu	Upgraded analog circuit, Multi-protocol label switching circuit with high voltage isolation and station router installed	42422713	07/19/2017		691,658	44,048			735,706
Asset Improvement	A13216A37 Southeast Longview Telecom Leg	Upgraded communication by installing transport router, station router and fiber to connect multiple stations in Logview area	42546500	09/28/2017			713,676			713,676
Asset Improvement	A13216A43 Jefferson IPC Telecom Legacy C	Upgraded communication by adding service aggregate router and splicing backbone fiber to route to controls	42566012	10/18/2017		503,126	4,460	0		507,586
Asset Improvement	A15706529 New Boston - Rpl 12kV CBs 1620	Replace overduy 12 KV Circuit Breakers 1620, 5140, 9610, 9620 at New Boston Substation	T0177376	12/09/2016			305,809			305,809
Asset Improvement	A15706621 IPC Jefferson DLP failure	Replace the digital line protection (DLP) at IPC Jefferson	42641495	12/07/2017		423,236	55,696			478,932
Asset Improvement	A17031004 Longview Sprr Purchase MVA	Restock reserve/spare substation transformer due to unit being used to replace a failed unit	42838096	03/25/2019				431,970		431,970
Asset Improvement	A17031007 Longview Spare Purch 69X34 5k	Restock reserve/spare substation transformer due to unit being used to replace a failed unit	42838102	03/31/2019				480,766		480,766
Asset Improvement	B161TXRE D/SW/Non-Specific Work Station	Non-specific work used to ensure the reliability of the system and often involves replacements of assets/components, such as bushings, LTC's, animal fences, switches, arresters, battery replacement, HVAC replacements, LTC replacements, motor operators for switches, switch replacement regulators, etc	Multiple work orders	Multiple in- service dates	21,992	1,727,188	1,638,677	1,554,227	694,880	5,636,964
Asset Improvement	EDN102208 Ds-Septx-Ai Pole Reinforcement	Annual program following up from pole inspection program Mechanical reinforcement of wood poles that have failed below-grade inspection to extend the useful life of the structure	Multiple work orders	Multiple in- service dates	585	7,318	404,647	-3,495		409,054
Asset Improvement	EDN102209 Ds-Septx-Ai Pole Replacement	Annual program to replace wooden poles on the distribution system that have failed either above-grade or below-grade inspection	Multiple work orders	Multiple in- service dates	694,623	4,159,563	5,179,454	4,799,803	2,370,579	17,204,022
Asset Improvement	EDN102210 Ds-Septx-Ai Small Wire Repl Oh	Program to replace deteriorated sections of overhead primary conductor based on age, condition, and reliability history	Multiple work orders	Multiple in- service dates	182,872	137,801	106,364	123,332	73,976	624,345
Asset Improvement	EDN102215 Ds-Septx-Ai Ckt Inspections	Asset preventive maintenance program Capital repairs resulting from cyclical inspection of the overhead distribution system	Multiple work orders	Multiple in- service dates	918	65,235	646,315	691,100	277,058	1,680,626
Asset Improvement	P13167012 Hallsvle-Marshl Distr Underbld	Project to rebuild or transfer the distribution underbuild driven by Transmission rehab project on Hallsville-Marshall transmission line	42533425	09/05/2017		1,635,293	-8,626			1,626,667
Asset Improvement	P13167013 LongVH-Hallsvle distr underbld	Installation of Distribution System to Transmission System	42533424	03/16/2018			1,301,708			1,301,708
Asset Improvement	S161TXRE D8/SI/SEP-Tx TEXAS SYS REHAB	Non-specific work used to ensure the reliability of the system and often involves replacements of assets/components, such as bushings, LTC's, animal fences, switches, arresters, battery replacement, HVAC replacements, LTC replacements, motor operators for switches, switch replacement regulators, ect	Multiple work orders	Multiple in- service dates	1,335,208	524,645	37,826			1,897,680

PROJ_CAT	PROJ_DESC	LONG_DESCRIPTION	ACT_WORK_ORDER_NUMB ER	IN_SERVICE_DATE	2016	2017	2018	2019	2020	Grand Total
Customer Service	000001566 Septx-Damage Claims-Reimburse	Reimburse/Replacement of overhead or underground distribution facilities that were damaged by the public	Multiple work orders	Multiple in-service dates	113,090	229,790	276,910	302,819	103,631	1,026,239
Customer Service	000007565 SEPTX-PQ-QOS Mitigation	Distribution line work driven by power quality and quality of service issues	Multiple work orders	Multiple in-service dates	106,398	129,601	46,329	66,940	3,453	352,721
Customer Service	000007622 SEPTXCust Req Relocate	Mitigation/Reactive replacement of overhead or underground distribution equipment to correct a power quality or quality of service	Multiple work orders	Multiple in-service dates	35,935	50,199	114,665	59,046	20,002	279,846
Customer Service	DP1450380 SEP/TX/Morton Saline Sub D-Sta	Distribution line work driven by customer-requested facility relocations	42678610	11/07/2018			5,870,734	28,115	27	5,898,876
Customer Service	EDN102197 Ds/Septx/Residential New	Installation of new substation to serve industrial customer Need determined by distribution system planning	Multiple work orders	Multiple in-service dates	2,028,131	2,778,183	2,561,311	3,031,624	705,828	11,105,078
Customer Service	EDN102198 Ds/Septx/Residential Upgrade	Extensions and upgrades of the distribution system necessary for new residential services being added to the system	Multiple work orders	Multiple in-service dates	145,941	176,282	188,557	298,260	70,636	879,676
Customer Service	EDN102199 Ds/Septx/C&I New	Localized upgrades of the distribution system necessary to serve existing residential service upgrades	Multiple work orders	Multiple in-service dates	1,486,517	2,538,418	2,255,570	2,245,029	943,651	9,469,185
Customer Service	EDN102200 Ds/Septx/C&I Upgrade	Extensions and upgrades of the distribution system necessary for new commercial and industrial services being added to the system	Multiple work orders	Multiple in-service dates	177,641	316,609	305,309	334,990	65,342	1,199,891
Customer Service	EDN102206 Ds-Septx-AI Support Cs-Res	Localized upgrades of the distribution system necessary to serve existing commercial and industrial service upgrades	Multiple work orders	Multiple in-service dates			23,568	26,390	192,106	78,734
Customer Service	EDN102207 Ds-Septx-AI-Support Cs-C-1	Distribution line asset upgrades or reconfigurations driven by residential service	Multiple work orders	Multiple in-service dates	35,907	12,082	22,931	320,614	75,370	466,903
Customer Service	EDN102219 Ds/Septx/Public Relocation	Distribution line asset upgrades or reconfigurations driven by commercial or industrial service	Multiple work orders	Multiple in-service dates	658,125	660,569	319,860	660,104	442,553	2,741,211
Customer Service	EDN102625 Ds/Septx/Meter Blanket	Facility relocations requested or prompted by local or state governments having jurisdiction over rights of way	24828899	03/31/2002	104,102	27,131	227,443	248,992	64,302	671,970
Customer Service	EON102626 Ds/Septx/Line Transformer	Blanket project for the capital purchase of pre-capitalized meters	23312769	03/31/2002	2,347,622	5,057,243	5,928,970	6,171,695	1,410,815	20,916,345
Reliability	000004743 SWEP-TSectionalizing Program	Blanket project covering distribution sectionalizing work Scope includes installation of new reclosers, switches, and fused cutouts	Multiple work orders	Multiple in-service dates	107,058	464,177	495,498	642,385	74,101	1,783,219
Reliability	000007825 SEP-Small Local Asset Imp-TX	Planned and unplanned additions/improvements to the distribution system related to load growth	Multiple work orders	Multiple in-service dates	849,169	1,810,068	1,087,641	1,663,203	371,658	5,781,739
Reliability	DR17502A0 Texarkana DA - DLine Component	Install Distribution Automation equipment along the distribution system in the Texarkana District	Multiple work orders	Multiple in-service dates		1,943,901	127,217	630,803		2,701,921
Reliability	DR18L0943 Center Station	Distribution feeder breaker replacement Breakers 8140, 9520 and 2190, and 2180 Breaker Replacement Project based on customer interruptions and asset health score	42829791	09/25/2018			493,118	12,307		505,425
Reliability	DR18L0950 Lake Lamond Station	Distribution feeder breaker replacement Breakers 1380, 4070, 9430, 9440, 8570, 4400, 6860, and 6850 Breaker Replacement Project based on customer interruptions and asset health score	42829771	12/12/2018			821,283	92,285		913,568
Reliability	DR18S01A2 Fault Sensors - Texas	Installation of communicating overhead fault sensors to locate faults on distribution system to reduce Customer Minutes of Interruption (CMI)	Multiple work orders	Multiple in-service dates				245,778	452,777	698,555
Reliability	DR18S01A5 Overhead Renewal Project - TX	Project to upgrade breaker zones of aging overhead circuits to improve Customer Minutes of Interruption (CMI) Primary scope includes application of new design standards to increase storm hardening, reliability, and BIL	Multiple work orders	Multiple in-service dates				1,371,457	309,806	1,681,262
Reliability	DR18S01A8 DA Distribution Line - Texas	Project to install DACR (Distribution automated circuit reconfiguration) systems on the overhead distribution system	Multiple work orders	Multiple in-service dates			980,018	2,941,312	884,717	4,806,047
Reliability	DR19CABTX REPLACE CABLE TX	Blanket project to fund the upgraded of aging underground circuits to improve Customer Minutes of Interruption (CMI)	Multiple work orders	Multiple in-service dates				1,414,331	686,104	2,100,434
Reliability	DR19D0959 AIRLINE STATION	Implementation of Distribution Automation assets inside station as part of SWEPCO's implementation of Smart Grid technology	42954866	12/19/2019				1,170,161	132,242	1,302,403
Reliability	DR19D0976 TENAHA STATION	Installation of Distribution Automation assets inside station as part of SWEPCO's implementation of Smart Grid technology	42954886	11/15/2019				628,935	42,170	671,105
Reliability	DR19T0850 COOKVILLE STATION	Distribution Feeder breakers, 1E60 and 1E70, replaced under Breaker Replacement Project based on customer interruptions and asset health score	T0206455	07/30/2019				349,521		349,521
Reliability	RRADREHAB RRAD System Improvements	Blanket project to upgrade distribution system at Red River Army Depot	Multiple work orders	Multiple in-service dates	902,350	703				903,054
System Restoration	DMS16TX11 SW-TXLDLSLW 42916	Storm restoration project as a result of storm on April 29, 2016	Multiple work orders	Multiple in-service dates	285,438					285,438
System Restoration	DMS17TX15 SWTXLGV/Tornado 4-29-17	Storm restoration project as a result of storm on April 29, 2017	Multiple work orders	Multiple in-service dates		344,886				344,886
System Restoration	DMS17TX18 SWTXSLW 52817	Storm restoration project as a result of storm on May 28, 2017	Multiple work orders	Multiple in-service dates		1,173,414	-410			1,173,004
System Restoration	DMS19TX15 SW-TX/LGV/Thunderstorm 5-8-19	Storm restoration project as a result of storm on May 8, 2019	Multiple work orders	Multiple in-service dates				1,570,058	-3,372	1,566,685

PROJ_CAT	PROJ_DESC	LONG_DESCRIPTION	ACT_WORK_ORDER_NUMB ER	IN_SERVICE_DATE	2016	2017	2018	2019	2020	Grand Total
System Restoration	EDN103232 SEPTX Svc Restoration NonMjr	Trouble call capitalized repairs to the overhead and underground distribution system requiring facility replacement, includes poles and other retirement units and their related components. Both weather and non-weather related outage response is included	Multiple work orders	Multiple in-service dates	338,240	816,842	861,049	868,722	232,737	3,117,590

**SOAH DOCKET NO. 473-21-0538
PUC DOCKET NO. 51415**

**SOUTHWESTERN ELECTRIC POWER COMPANY'S RESPONSE TO
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION**

Question No. Staff 2-10:

Witness Drew W. Seidel in his testimony has laid out SWEPCO's O&M programs into three major categories – Distribution Asset Management, Distribution Reliability and Distribution Vegetation Management.

- a. Please provide SWEPCO's O&M expenses subdivided by the above mentioned categories for the Test Year by FERC accounts.
- b. Please provide detailed accounts for each category including service dates and need.

Response No. Staff 2-10:

- a. SWEPCO does not separately subdivide O&M expenses between Distribution Asset Management and Distribution Reliability due to the significant overlap in these categories. For the test year, SWEPCO expensed \$9,568,282 on vegetation management its Texas jurisdiction. Vegetation Management is contained in FERC account 5930000, Maintenance of Overhead Lines.
- b. Please see Staff 2-10 Attachment 1 for the expenses per month for vegetation management. O&M costs are expensed as they are received.

Prepared By: Paul D. Flory
Sponsored By: Drew W. Seidel

Title: Regulatory Consultant Sr
Title: VP Dist Region Opers

SWEPCO TX Test Year Vegetation Management Expenses

Project	FERC Account	2019									2020			Total
		(04) Apr	(05) May	(06) Jun	(07) Jul	(08) Aug	(09) Sep	(10) Oct	(11) Nov	(12) Dec	(01) Jan	(02) Feb	(03) Mar	
Forestry	5930000	\$611,772	\$710,915	\$295,338	\$1,874,984	\$1,892,343	\$320,387	\$578,147	\$481,511	\$592,554	\$536,127	\$709,124	\$965,080	\$9,568,282

**SOAH DOCKET NO. 473-21-0538
PUC DOCKET NO. 51415**

**SOUTHWESTERN ELECTRIC POWER COMPANY'S RESPONSE TO
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION**

Question No. Staff 2-11:

For each project that is responsive to this question set, please identify the docket number for the initial proceeding in which the project's costs were included in an interim update of the wholesale transmission revenue requirement or in a distribution cost recovery factor revenue requirement, if any.

Response No. Staff 2-11:

Docket No. 49042 was a Transmission Cost Recovery Filing (TCRF) completed in 2018. See Staff 2-11 Attachment 1 for the projects that were previously included in Docket No. 49042. Docket No. 49041 was a Distribution Cost Recovery Filing (DCRF) completed in 2018. See Staff 2-11 Attachment 2 for the projects that were previously included in Docket No. 49041.

Prepared By: William M. Romine
Prepared By: Paul D. Flory

Title: Regulatory Consultant Staff
Title: Regulatory Consultant Sr

Sponsored By: Drew W. Seidel
Sponsored By: Wayman L. Smith

Title: VP Dist Region Opers
Title: Dir Trans Planning

**SWEPCO TRANSMISSION
TCRF Case No. 49042**

Case_51415	Case_49042
DP08SP003	DP08SP003
DP14S0003	
DP17S0006	DP17S0006
DR18S0001	
PPBSWEPCO	PPBSWEPCO
STARPO910	STARPO910
TA2012102	TA2012102
TA2012145	TA2012145
TA2013006	TA2013006
TA2013216	TA2013216
TA2015706	
TA2015713	TA2015713
TA2016806	TA2016806
TA2016924	
TA2016930	TA2016930
TA2017035	
TA2017938	
TA2018039	
TA2018075	
TA2018108	
TA2018706	TA2018706
TA2018713	TA2018713
TA2018714	TA2018714
TA2018715	TA2018715
TA2018716	TA2018716
TA2018806	
TBLANKTSW	TBLANKTSW
TP2008005	TP2008005
TP2009089	TP2009089
TP2009104	
TP2010067	TP2010067
TP2010100	TP2010100
TP2011022	TP2011022
TP2011033	TP2011033
TP2011147	TP2011147
TP2012106	TP2012106
TP2013165	TP2013165
TP2013166	TP2013166
TP2013167	TP2013167
TP2014138	
TP2014139	TP2014139
TP2014154	
TP2015020	TP2015020
TP2015097	TP2015097
TP2015106	TP2015106
TP2015127	
TP2015155	TP2015155
TP2016038	TP2016038
TP2016046	TP2016046
TP2016082	
TP2016105	TP2016105
TP2017010	
TP2017012	
TP2017116	
TP2017221	
TP2017248	
TP2018135	
TP2019086	
TREESSWEP	
WSHU1GSU	

**SWEPCO Distribution
DCRF Case No. 49041**

Case 51415	Case 49041
000007589	000007589
000007606	000007606
000024602	000024602
A12102024	A12102024
A12102035	A12102035
A12102051	A12102051
A12102535	
A12102550	A12102550
A12102551	A12102551
A12102588	A12102588
A12102601	
A12102635	A12102635
A12102636	A12102636
A12102641	
A13006022	
A13006081	
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A15713125	
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A17031007	
B161TXSRE	B161TXSRE
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DR17S03A1	
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EDN102214	
EDN102215	EDN102215
EDN102218	EDN102218

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P13167013	P13167013
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DP14S03B0	
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EON102626	EON102626
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DR17S02B0	
DR17S02B1	DR17S02B1
DR18L0943	DR18L0943
DR18L0950	
DR18L0964	DR18L0964
DR18S01A2	
DR18S01A5	
DR18S01A8	
DR18T0986	DR18T0986
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DR19D0959	
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DR19T0850	
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DMS15TX18	DMS15TX18

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EDN103232	EDN103232

**SOAH DOCKET NO. 473-21-0538
PUC DOCKET NO. 51415**

**SOUTHWESTERN ELECTRIC POWER COMPANY'S RESPONSE TO
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION**

Question No. Staff 2-12:

Please provide monthly FERC account expenses for the following accounts during the Test Year

- a. 560 to 564
- b. 566 to 573
- c. 580 to 589
- d. 590 to 598

Response No. Staff 2-12:

The requested monthly data by FERC account is provided on Schedule G-15 of SWEPCO's rate-filing package. A native excel copy of the schedule, entitled "G-15 (Monthly O and M Expense)," is included with the native files submitted with the rate-filing package.

Prepared By: Randall W. Hamlett
Sponsored By: Michael A. Baird

Title: Dir Regulatory Acctg Svcs
Title: Mng Dir Acctng Policy & Rsrch

**SOAH DOCKET NO. 473-21-0538
PUC DOCKET NO. 51415**

**SOUTHWESTERN ELECTRIC POWER COMPANY'S RESPONSE TO
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION**

Question No. Staff 2-13:

Please list all projects with associated expenses that are listed under "Capital Blanket" for Transmission and Distribution that are subject to review in this rate case. Please include in-service dates for these projects, expenses and FERC accounts, if applicable.

Response No. Staff 2-13:

Please see Staff 2-13 Attachment 1 for all Transmission projects and Staff 2-13 Attachment 2 for all Distribution projects listed under "Capital Blanket". Both attachments are provided electronically on the PUC Interchange.

Prepared By: William M. Romine

Title: Regulatory Consultant Staff

Prepared By: Paul D. Flory

Title: Regulatory Consultant Sr

Sponsored By: Drew W. Seidel

Title: VP Dist Region Opers

Sponsored By: Wayman L. Smith

Title: Dir Trans Planning

**SOAH DOCKET NO. 473-21-0538
PUC DOCKET NO. 51415**

**SOUTHWESTERN ELECTRIC POWER COMPANY'S RESPONSE TO
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION**

Question No. Staff 2-14:

Please provide a table for all Transmission Vegetation Management spending for the Test Year including:

- a. the feeder name;
- b. length in miles of feeder;
- c. date of trimming;
- d. length in miles/feet trimmed;
 - a. For three phase
 - b. For single phase
- e. the expenses incurred.

Response No. Staff 2-14:

See Staff 2-14 Attachment 1. All transmission lines are three phase.

Prepared By: William M. Romine
Sponsored By: Daniel R. Boezio

Title: Regulatory Consultant Staff
Title: VP Trans Field Services

**SWEPCO Transmission
Line Maintenance**

Transmission Line Name	Total Line Length	2019 Maintenance Months	2020 Maintenance Months	Completed Miles	Total Cost
Air Products Tap (W)	0.3	May, November	March	0.3	17,400
Alumax Tap	0.5	September - December		0.5	270,861
Arsenal Hill - Lieberman	21.6	August - September, December		21.6	7,028
Ashdown - Twelfth Street	20.2		February - March	0.0	26,459
Atlanta - Bloomburg (TX)	7.7	April, June, August		0.0	16,002
Bann - IPC Domino	11.4	May - December		11.4	87,678
Bann - Southeast Texarkana (TX)	11.3	April, September - December		6.5	299,711
Bann - Thirty Ninth Street	9.3	April, June, August - December	January - February	1.0	110,683
Beckville - Rock Hill	4.0	April, June, November - December		2.1	14,184
Belcher - Hosston	9.7	June		0.0	2,997
Blanchard - Lieberman	6.9	June			8,238
Blanchard - North Market	12.8	April, June, November - December		2.3	57,837
Booneville - Branch (OG&E)	12.1	June, August - September		12.1	10,013
Center - Carthage T	30.0	May - July, October		30.0	63,759
Chambers Spring - Clarksville (AR)	9.1	May	February - March	6.2	21,156
Chambers Spring - Dyess	19.6	April, December		0.0	3,774
Chambers Spring - Flint Creek	14.3	August		0.0	4,133
Chambers Spring - Tontitown	11.5	April - December	February - March	11.5	156,412
Clarksville - Greggton	5.4	May		0.5	3,642
Clarksville - Perdue North	7.0	April, July - August		0.0	5,932
Clarksville - Sabine	7.9	May - June		1.9	8,718
Craig Junction - DeQueen (AR)	8.2	April - October	January	4.5	286,750
Crockett - Grimes (GSU)	26.8	April, July	January - March	26.8	226,388
Crockett - Tenaska Rusk County	66.8	April - May, July - September	January - March	66.8	764,739
Dangerfield - Hughes Springs	6.0	May		0.0	1,521
Dangerfield - Mt Pleasant	17.3	April		0.0	4,070
DeQueen - Nashville	27.1	November - December		6.0	23,071
Diana - Lake Lamond	22.5	November - December	February - March	22.5	138,227
Diana - Perdue	21.9	June - August, October - December		21.9	180,897
Diana - Pirkey	24.7	April - October, December		24.7	309,080
Diana - Piler Road	17.5	April - June, August - December		9.0	502,961
Diana - Southwest Shreveport (LA)	3.2	October		3.2	28,372
Diana - Southwest Shreveport (TX)	46.6	April - August, October - December	January - March	46.6	267,613
Diana - Welsh (CKT#1)	23.7	August, November	January - March	23.7	131,499
Diana - Welsh (CKT#2)	23.7	August, November	February - March	23.7	64,566
Dierks - West Murfreesboro	19.4	October	January	0.0	2,709
Dolet Hills - S.W Shreveport	34.6	April - June, August - December	February - March	34.6	292,791
Dyess - East Rogers	13.4	June - November	March	0.0	21,290
Dyess - Flint Creek	23.3	April - August, December	March	0.0	4,376
Dyess - Hyland	15.1	August		0.0	39,590
Dyess - Springdale North	5.5	April, December		0.3	9,066
East Centerton - North Rogers	9.7		February - March	9.7	44,966
East Rogers - Beaver Dam (SPA)	16.8	April - June, December		6.0	47,829
East Rogers - Rogers	5.2	November		5.2	1,538
Ellerbe Road - Fern Street	2.4	May, August, November		1.0	7,493
Ellerbe Road - Lucas	3.2	July - August, November		0.0	9,705
Fayetteville - Van Asche	4.6	June - July, October		0.0	5,907
Ferndale Lake Tap	3.0	July, November		1.0	13,654
Flint Creek - Brookline	18.0	April - May, August - December	January, March	18.0	82,978
Flint Creek - Shipe Road	14.4	May	January - March	9.9	47,692
Flint Creek - Switch Station (GRDA) (AR)	2.9	May - June	February - March	2.9	11,800
Flournoy - Longwood	12.1	August		0.0	780
Flournoy - Summer Grove	9.3	July, November		9.3	13,957
Fort Humbug - South Shreveport	10.4	August		0.0	1,071
Grand Saline - Mineola	6.9	October		6.9	95,973
Grand Saline - Quitman	25.0	June - December		25.0	245,201
Harrison Road - Knox Lee	15.2	April - May		0.0	23,733
Harrison Road - Perdue	20.7	April		0.0	13,111
Hawkins - Mineola	17.9	May - December		13.0	37,714
Hawkins - Perdue	12.5	June		0.0	776
Hosston - Bloomburg (AR)	8.6	July		0.0	12,044
Hosston - Bloomburg (LA)	11.8	July		0.0	4,410
Hosston - North Benton	27.6	May - June		0.0	17,797
Hughes Springs - Linden	15.7	April - October		7.0	38,750

**SWEPCO Transmission
Line Maintenance**

Transmission Line Name	Total Line Length	2019 Maintenance Months	2020 Maintenance Months	Completed Miles	Total Cost
IPC Domino - West Atlanta	24.0	April, May, December	January	0.0	15,498
Jefferson - North Marshall	13.0	April - June, October, December	January	7.0	143,335
Jefferson Switching - Marshall 138	16.6	November - December		16.6	63,783
Knox Lee - Northwest Henderson	18.6	April, December		16.0	837,454
Knox Lee - Overton	23.7	June, November - December		0.0	1,121
Knox Lee - Pirkey	13.6	August - December		13.6	50,504
Lake Lamond - Longview Heights	7.2	May, July		7.2	2,869
Lieberman - Red Point	33.2	June		0.0	2,404
Logansport - Rock Hill	31.3	April - June, October - December		31.3	344,400
Logansport - Stonewall	22.5	May		0.0	1,952
Lone Star South - Pittsburg	17.6	June		0.0	2,728
Lone Star Tap - Bruton	6.9	May - June		0.0	11,420
Longwood - El Dorado (AP&L)	37.7	April - December	January	37.7	550,083
Longwood - Scottsville (LA)	3.1	April		0.0	1,420
Longwood - Scottsville (TX)	13.0	April - May		1.0	33,012
Longwood - Southwest Shreveport	19.0	April - June, September - October, December	January - March	19.0	247,780
Longwood - Wilkes (LA)	2.9	April, July, October	January - February	2.9	36,999
Longwood - Wilkes (TX)	35.5	April - August, October - December	March	35.5	131,297
Lydia - Northwest Texarkana	31.2	April - July, October - December	January - February	31.2	353,076
Lydia - Valliant (SWEPCO)	22.6	April - May, December	January - February	22.6	140,545
Marshall 138 - Pirkey	8.9	August, December		0.0	5,804
Marshall 138 - Rock Hill	2.2	May		0.0	6,337
Marshall 69 - North Marshall	3.6	May - June		0.0	22,960
Midvalley Pipeline Tap	4.5	June		0.0	1,133
Mineola - North Mineola	2.3	September, October, December		2.3	157,519
North Magazine - Danville (Entergy)	25.9	April, December	January - March	0.0	8,161
North Mineola - Quitman	0.2	August - September		0.2	66,704
North New Boston - Wilkes	46.6	April - May		0.0	2,269
Northwest Texarkana - Welsh	53.2	April - May, December	January - March	53.2	376,280
Overton - Turnertown	8.3	June, November - December		0.0	10,603
Perdue - North Mineola	31.5	May, August - September, December		21.0	61,445
Petty - Wilkes	34.2	May		0.0	1,275
Pilgrims Pride - Winfield	8.0	August, November	March	0.0	49,598
Pirkey - LeBrock	6.1	April, December	January - March	6.1	66,701
Pirkey - Scottsville	18.3	August - December	January - March	18.3	189,367
Pirkey - Tenaska Rusk County	38.4	April, July, December	January - March	38.4	290,191
Pirkey - Whitney	13.5	May, August - December		13.5	296,917
Pittsburg - Winnsboro 138kV	21.2	June		0.0	2,722
Pittsburg - Winnsboro 69kV	18.8	April		0.0	10,885
Pittsburg Steel Tap	1.7	April		0.0	2,160
Red Point - Bellevue	8.8	May		0.0	2,667
Rock Hill - South Shreveport (LA)	21.8	October		10.5	1,010
Rock Hill - South Shreveport (TX)	23.2	June		0.0	2,461
Siloam Springs - West Siloam Springs (GRDA)	2.1	April - June, August, October		0.0	27,984
South Dierks - Dierks	1.8	September		0.0	3,552
Stonewall Tap	8.0	April - June		3.4	88,300
Taylor Street - Texarkana Plant (TX)	2.7	June		0.0	1,163
Texarkana Plant - Bloomburg	19.8	April, November		13.7	10,515
Texas Eastern Tap (AR)	0.5	April		0.0	3,519
Turk - NW Texarkana (AR)	22.1	October, December	January - March	22.1	92,234
Turk - NW Texarkana (TX)	7.4	April - May, September, December		7.4	64,151
VALLIANT - NORTHWEST TEXARKANA	43.7	April - December		43.7	162,853
Welsh - Lydia	23.7	April - June, December	January - March	23.7	170,059
Welsh - Wilkes	30.6	April - May, August, November - December		30.6	193,501
Welsh HVDC - Monticello	17.0	April, July, December	February - March	17.0	116,348
West Atlanta - Wilkes	31.7	October - December		20.5	95,932
Winfield - Mount Vernon	7.5	June		0.0	962
Winfield - Winnsboro	26.3	June	March	0.0	8,827
Woodlawn - Karnack Sw	9.6	May - June		0.0	3,000
Totals	2,003.2			1,124.7	10,924,820

**SOAH DOCKET NO. 473-21-0538
PUC DOCKET NO. 51415**

**SOUTHWESTERN ELECTRIC POWER COMPANY'S RESPONSE TO
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION**

Question No. Staff 2-15:

Please provide a table for all Distribution Vegetation Management spending for the Test Year including:

- a. the feeder name;
- b. length in miles of feeder;
- c. date of trimming;
- d. length in miles/feet trimmed;
 - a. For three phase
 - b. For single phase
- e. the expenses incurred.

Response No. Staff 2-15:

Please see Staff 2-15 CONFIDENTIAL Attachment 1 for all Distribution Vegetation Management spending for the Test Year.

The attachment responsive to this request is CONFIDENTIAL MATERIAL under the terms of the Protective Order. Due to current restrictions associated with COVID-19, this information is being provided electronically and a secure login to access the information will be provided upon request to individuals who have signed the Protective Order Certification.

Prepared By: Anthony J. Sutor

Title: Regulatory Consultant Prin

Prepared By: Paul D. Flory

Title: Regulatory Consultant Sr

Sponsored By: Drew W. Seidel

Title: VP Dist Region Opers